

The Examiner has indicated that dependent claims 10 and 18 contain allowable subject matter. Applicant has rewritten dependent claim 10 as new independent claim 29 and has rewritten dependent claim 18 as new independent claim 30. It is believed that claims 29 and 30 are in proper form for allowance and such action is earnestly solicited.

The Examiner has rejected claims 1, 13 and 18 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More specifically, the Examiner is unclear as to what is meant by the phrase "operatively connecting" as used in the claims and how the generator control varies the magnitude and frequency of the AC voltage generated by the generator.

With respect to the Examiner's objection to the phrase "operatively connecting," applicant is somewhat perplexed. Referring to claim 1, a communication link is provided in the control system for operatively connecting the generator control to a network. Since the control system does not incorporate the network to which the communication link connects the generator control. In other words, the phrase "operatively connecting" defines the function of the communications link. As such, the phrase appears to be entirely appropriate to applicant. As such, clarification of the Examiner's objection is respectfully requested.

With respect to operation of the generator control, as fully described in the specification, digital governor 26 is operatively connected to throttle 24 which controls the volume of intake air to engine 22. As is known, digital governor 26 protects engine 22 from over speed conditions and maintains engine 22 at the desired engine speed, which in turn, causes generator 20a to generate a desired electrical power at a desired frequency. Digital governor 26 controls the engine speed of engine 22 by regulating the position of throttle 24, and hence, the amount of fuel and air provided to the combustion chamber of engine 22. As is known, throttle 24 is movable between a wide open position wherein the engine 22 runs at full power and a closed position

power having a magnitude and power factor and AC voltage having a magnitude and a frequency thereto, and the engine having an adjustable engine speed, comprising:

a generator control operatively connected to the engine for controlling operation thereof and operatively connected to the generator for controlling the AC power generated thereby;

a synchronizer operatively connected to a generator control, the synchronizer monitoring the magnitude and frequency of the AC voltage of the utility source and the magnitude and frequency of the AC voltage generated by the generator; and

a communications link for operatively connecting the generator control to a network;

wherein the generator control adjusts the magnitude of the AC voltage generated by the generator and adjusts the engine speed of the engine to vary the frequency of the AC voltage generated by the generator such that the magnitude and frequency of the AC voltage generated by the generation matches the magnitude and frequency of the AC voltage of the utility source.

13. (Twice Amended) A generator structure for generating AC power for a load, the load including a utility source which provides AC power having a magnitude and power factor and AC voltage having a magnitude and frequency, comprising:

a generator connectable to the load, the generator generating AC power having a magnitude and a power factor and AC voltage having a magnitude and a frequency;

an engine operatively connected to the generator for driving the generator, the engine having an adjustable engine speed;

a generator control operatively connected to the engine for controlling operation thereof and operatively connected to the generator for controlling the AC power generated thereby, the generator control including a synchronizer for monitoring the magnitude and frequency of the AC voltage provided by the utility source and the magnitude and frequency of the AC voltage generated by the generator wherein the generator control adjusts the magnitude of the AC voltage generated by the generator and adjusts the engine speed of the engine to vary the frequency of the AC voltage generated by the generator such that the magnitude and frequency of the AC voltage

generated by the generator the magnitude and frequency of the AC voltage of the utility source;
and

a communications link for operatively connecting the generator control to a network.

Cancel claims 18 and ~~19~~.
10 and 18

Please add new claims 29 and 30, as follows:

29. (New) A control system for controlling operation of an engine-driven, electrical generator which generates AC power and AC voltage having a magnitude and a frequency for a load, the load being operatively connected to a utility source which provides AC power having a magnitude and power factor and AC voltage having a magnitude and a frequency thereto, and the engine having an adjustable engine speed, comprising:

a generator control operatively connected to the engine for controlling operation thereof and operatively connected to the generator for controlling the AC power generated thereby, the generator control including a volt-ampere-reactive (VAR) control for varying the power factor of the AC power generated by the generator to a predetermined value;

a synchronizer operatively connected to a generator control, the synchronizer monitoring the magnitude and frequency of the AC voltage of the utility source and the magnitude and frequency of the AC voltage generated by the generator; and

a communications link for operatively connecting the generator control to a network;
wherein the generator control varies the magnitude and frequency of the AC voltage generated by the generator to match the magnitude and frequency of the AC voltage of the utility source.